

Techniques and Technologies for Teaching and Learning Online

Meranda Roy
Online Learning Librarian
University of North Texas

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A grayscale photograph of a desk setup. In the top left, a pair of glasses rests on a white surface. Below them is a portion of a white keyboard. In the center-left, a spiral-bound notebook is open, showing a page with a table of contents or index. The table has columns for 'DATE', 'TOPIC', and 'ACTION'. A black folder with a white marble pattern is placed over the notebook. A silver paperclip is visible on the right side of the notebook.

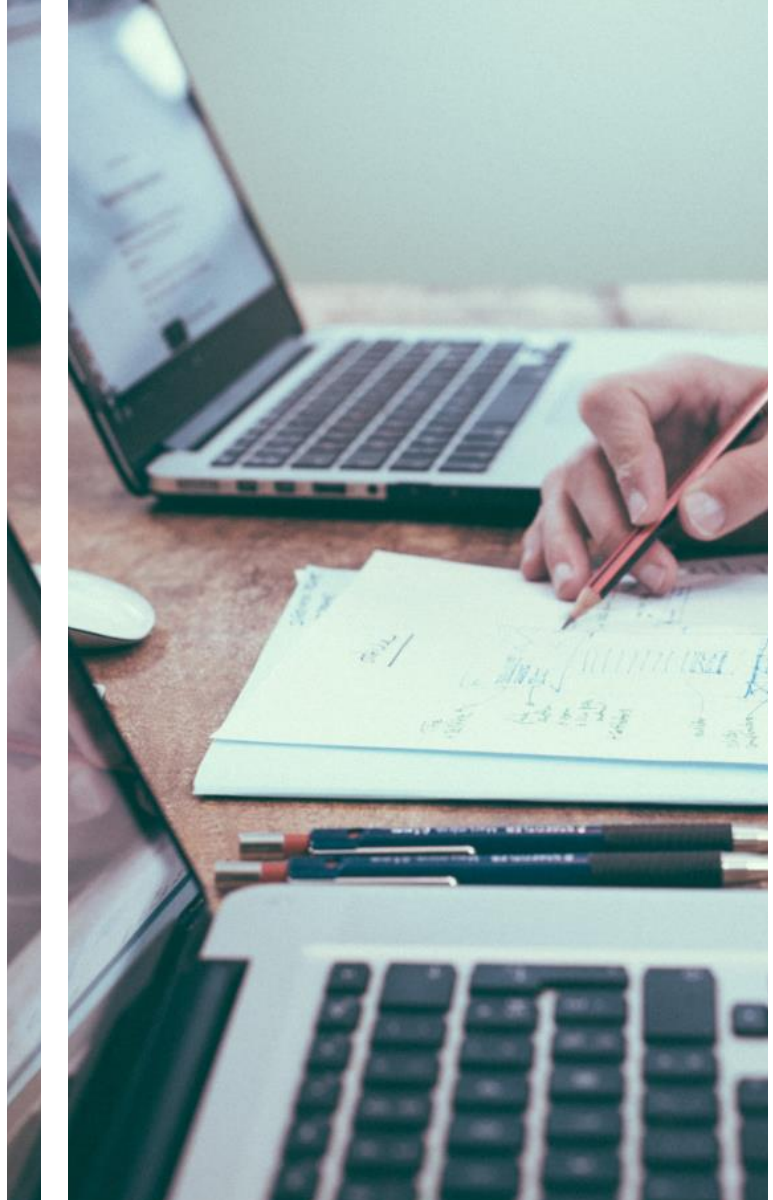
Key Points

- Learning Objectives
- Synchronous (live online teaching)
- Asynchronous (videos)
- Questions

Learning Objectives

What do you want learners to learn?

- Think in terms of **ACTIONS**
 - Bloom's Taxonomy
 - Ex. Describe, Identify
- Clearly state objectives for learners
- **IMPORTANT** make sure the objectives reflect the content of the session



Synchronous

(live online teaching)



Brief Definition

Refers to all types of learning in which learner(s) and instructor(s) are **in the same place, at the same time**, in order for learning to take place.

Includes online and in-person regardless of the number of learners/instructors



Video Conferencing Platforms

Zoom
GoTo Meeting
Microsoft Teams
Skype
Adobe Connect
and many more!

Synchronous Tools

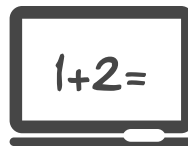
What's possible in the video conference platform?



Ask Questions



Polls & Surveys



Whiteboarding/
annotating



Breakout Rooms



Brief Definition

Refers to learning that can occur in **different times and spaces** for each learner

Typically instructors set up a learning path and students engage with the material

Equipment



Mic



Web camera

Asynchronous (video)



**Voice-Over
PowerPoints**



Sharing Objects



Recording

Most video conferencing platforms
Record Slide Show in PowerPoint
Screencast-o-matic (free)
Camtasia (cost)
Snagit (cost)
and many more!

Asynchronous Tools

Questions





**Thank
You**

Meranda Roy
meranda.roy@unt.edu